

ABSTRACT OF THE DISCLOSURE

A covered roll for use in calendaring web sheets, the cover roll including a metal roll core base substantially cylindrical in shape and arranged for rotation during use, the roll core base having an outer surface. An adhesive layer is disposed over and secured to the outer surface of the roll core base. A cover is formed of a thermoplastic material, the cover having a thermoset resin infused reinforcement fiber layer, the fiber layer circumferentially surrounding and secured to the adhesive layer, whereby the cover is bound to the rotatable roll core base.

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